

RGB 198

UNDER TABLE & RACK-MOUNTABLE COMPUTER-VIDEO INTERFACE WITH AUDIO AND MAAP OPENINGS

- 300 MHz (-3dB) RGB video bandwidth
- Digital Display Sync Processing (DDSP™)
- Active PC audio to balanced audio interfacing
- Openings for up to four Mini Architectural Adapter Plates (MAAPs)
- Two front panel unswitched AC outlets: Edison (USA) or Europlug
- Multiple mounting options



The Extron RGB 198 is a universal, analog computer-video interface with audio specifically designed for under-table and rack-mountable installations. It allows nearly every computer and video signal type to be converted for output to a variety of display devices including monitors, projectors, and plasmas.



Extron® Electronics

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DESCRIPTION

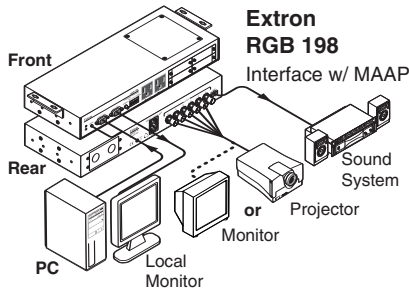
The Extron **RGB 198** is a universal, analog computer-video interface that features a female 15-pin HD input with audio, a buffered local monitor output, two unswitched AC outlets (available with either Edison or Europlug), and openings for up to four Mini Architectural Adapter Plates (MAAPs). It also converts computer-generated, unbalanced audio to balanced, line level audio.

The RGB 198 offers a 15-130 kHz scanning rate, 300 MHz (-3dB) RGB video bandwidth, and is compatible with a wide variety of analog video signals including VGA-UXGA, Mac, Sun®, and SGI signals. ID bit termination is provided on pins 4 and 11 of the 15-pin HD input, ensuring that computers requiring local monitors to operate will do so in the event that one is not attached.

There are two models available: the RGB 198 for regions with Edison (US style) power connectors and the RGB 198 EU for regions utilizing Europlug power connectors. Both models come in rugged metal enclosures and include an under-surface mounting kit for mounting the interface under a table or desk.

FEATURES

- 300 MHz (-3dB) RGB video bandwidth
- Active PC audio to balanced audio interfacing
- Audio summing converts stereo audio to mono (DIP switch-selectable)
- Digital Display Sync Processing (DDSP™), DIP switch-selectable
- Horizontal shift control
- ID bit termination on pins 4 and 11
- Two-position level/peaking (DIP switch selectable)
- Sync on green output (DIP switch-selectable)
- Openings for up to four Mini Architectural Adapter Plates (MAAPs)
- Two front panel unswitched AC outlets: Edison (USA) or Europlug
- Mounts under table, podium, or other flat surface using provided mounting brackets or optional through-desk mounting kit
- Mounts in 1U rack space using optional rack shelf
- Available in black
- Internal international power supply



SPECIFICATIONS

VIDEO	
Gain.....	Unity (0.7 V), (0.8 V) 15% with 3 dB peaking
Bandwidth.....	300 MHz (-3 dB)
Max. rise/fall time.....	1.5 ns
VIDEO INPUT AND LOOP-THROUGH	
Number/signal type.....	1 analog VGA-UXGA, Mac, Sun RGBHV, RGBS, RGsB
Connectors.....	1 buffered local monitor loop-through (1) female 15-pin HD (input) (1) female 15-pin HD (loop-through)
Nominal level.....	0.7 V p-p for RGB
Minimum/maximum levels.....	Analog: 0.3 V to 1.45 V p-p no offset at unity
Impedance.....	75 ohms
Horizontal frequency.....	15 kHz to 130 kHz
Vertical frequency.....	30 Hz to 170 Hz
Return loss.....	<-41 dB @ 5 MHz
DC offset (max. allowable).....	4 V

SPECIFICATIONS (CONT.)

VIDEO OUTPUT	
Number/signal type.....	1 RGBHV, RGBS, RGsB
Connectors.....	6 BNC female
Nominal level.....	0.7 V p-p for RGB
Minimum/maximum levels.....	0.7 V to 0.8 V p-p (switch selectable) with peaking
Impedance.....	75 ohms
Return loss.....	-45dB @ 5 MHz
DC offset.....	±5 mV with input at 0 offset
SYNC	
Input type.....	RGBHV, RGBS, RGsB (does not strip sync from video)
Output type (switch-selectable).....	RGBHV at all times, RGBS at all times, RGsB (switch-selectable)
Input level.....	2.0 V to 5.5 V p-p with ±0.2 VDC offset (max.)
Output level.....	4.0 V to 5.0 V p-p, unterminated
Input impedance.....	510 ohms
Output impedance.....	75 ohms
Max. propagation delay.....	57 ns
Max. rise/fall time.....	4 ns
Polarity.....	RGBHV input: positive or negative (follows input) RGBS, RGsB input: negative
AUDIO	
Gain.....	Unbalanced output: 0dB; balanced output: +6dB
Frequency response.....	20 Hz to 20 kHz, ±0.05dB
THD + Noise.....	0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level
S/N (unweighted).....	>90dB at maximum output (14dBm), balanced,
Crosstalk.....	<-90dB @ 1 kHz
Stereo channel separation.....	>90dB @ 1 kHz to 20 kHz
AUDIO INPUT	
Number/signal type.....	1 stereo or mono, unbalanced
Connectors (tip, ring, sleeve).....	(1) 3.5 mm mini stereo audio jack
Impedance.....	>10k ohms unbalanced, DC coupled
Nominal level.....	-10 dBV (316 mVrms, -7.78 dBu)
Maximum level.....	+9.5 dBu, (unbalanced) at 1%THD+N
NOTE: 0dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2dBu	
AUDIO OUTPUT	
Number/signal type.....	1 buffered stereo or mono, balanced/unbalanced
Connectors.....	(1) 3.5 mm captive screw connector, 5 pole
Impedance.....	5-ohms unbalanced, 100 ohms balanced
Gain error.....	±0.1 dB channel to channel
Maximum level (Hi-Z).....	>+14 dBm, balanced at 1%THD+N
Maximum level (600 ohm).....	>+9 dBm, balanced at 1%THD+N
GENERAL	
Power (internal, autoswitchable).....	100 VAC to 240 VAC, 50/60 Hz, 15 watts
Rack mount.....	Yes, with optional 1U rack shelf, part #60-190-01 or 60-604-01. Also furniture mountable with kit #70-077-01 (included) or kit #70-077-02 (optional).
Enclosure type.....	Metal
Enclosure dimensions.....	1.75" H x 13.0" W x 4.5" D 4.4 cm H x 32.7 cm W x 11.4 cm D (excludes connectors.)
Product weight.....	2.0 lbs (0.9 Kg)
Shipping weight.....	4 lbs (2 Kg)
Listings.....	UL, CUL
Compliances.....	CE, FCC Class A, VCCI, AS/NZS, ICES
NOTE: All nominal levels are at ±10%	
Model Part Numbers	
RGB 198 (black).....	60-673-02
RGB 198 EU (black).....	60-674-02



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